

CHAPTER 104
SANITARY DISPOSAL PROJECTS WITH PROCESSING FACILITIES

[Prior to 7/1/83, DEQ Ch 29]

[Prior to 12/3/86, Water, Air and Waste Management[900]]

567—104.1(455B) Scope and applicability. Any sanitary disposal project utilizing any of the equipment described in this chapter shall comply with the requirements for that equipment set out in this chapter, in addition to the requirements of 567—Chapter 102. If a composting process is to be used, the contents of 567—Chapter 105 are applicable.

104.1(1) Detailed engineering drawings of the sanitary disposal project shall be submitted showing all conveyor lines, holding areas, loading and unloading areas, transfer points, and initial and permanent roads, buildings and equipment to be installed, unloading and holding areas, fences and gates, landscaping and screening devices, personnel and maintenance facilities, sewer and water lines, lines of flow for all waste and salvaged materials.

104.1(2) Design specifications for all equipment shall be as follows:

a. All equipment which may be cleaned by washing shall be installed on reasonably smooth impermeable floors so designed as to be easily cleaned and having drainage to a sanitary sewer unless other acceptable provisions are made to control process or wash water.

b. All equipment shall be so designed as to prevent spilling of waste and to be easily cleaned and shall be adequately enclosed so as to prevent blowing of dust or litter or wetting of the waste from precipitation or runoff.

567—104.2(455B) Dumping or holding floors or pits.

104.2(1) All unloading area surfaces shall be constructed of impervious, reasonably smooth material so designed as to be easily cleaned, with drainage to a sanitary sewer.

104.2(2) All unloading areas shall have a storage capacity of at least one day's processing capacity.

104.2(3) All unloading areas shall be adequately enclosed and roofed so as to prevent blowing of dust or litter and to prevent precipitation or drainage onto any accumulated waste.

567—104.3(455B) Compaction equipment. All compactors shall be located on reasonably smooth impermeable aprons so designed as to control wash water and area runoff, be easily cleaned, and avoid creation of fly or rodent habitats.

567—104.4(455B) Hammermills.

104.4(1) All hammermills shall be equipped with adjustable water spray or other dust suppression equipment.

104.4(2) All hammermills shall be provided with fire and explosion control or suppression devices or equipment.

104.4(3) Solid waste which cannot be processed by the hammermill or is rejected by it shall be stored in enclosed leakproof containers.

567—104.5(455B) Hydropulping or slurring equipment. All solid waste which cannot be processed by such equipment or is rejected by it shall be stored in enclosed leakproof containers.

567—104.6(455B) Air classifiers. All air classifiers shall be equipped with dust suppression equipment unless air is recirculated.

567—104.7(455B) Metals separation equipment.

104.7(1) Metals separation equipment shall be installed at that point in the process which minimizes possible organic contamination of the metal.

104.7(2) Provisions shall be made for storage of separated materials in enclosed leakproof containers.

567—104.8(455B) Sludge processing.

104.8(1) If introduced to solid waste, sludges shall be introduced after any resource recovery operation.

104.8(2) Sludge addition equipment and storage facilities shall be sanitary and odor free.

567—104.9(455B) Storage containers and facilities.

104.9(1) *Storage of solid waste.*

a. Containers used for the storage of all solid wastes except salvaged materials but including refuse-derived fuels shall be covered, leakproof, durable and of easily cleanable construction.

b. Facilities used for the storage of all solid wastes except municipal sewage sludge and salvaged materials but including refuse-derived fuels shall be constructed as follows:

(1) Storage facilities shall have a smooth, impervious, easily cleaned base.

(2) Storage facilities shall provide leachate collection.

(3) Storage facilities shall prevent runoff entering the facility from adjacent areas.

(4) Storage facilities shall be enclosed to prevent blowing litter and roofed to prevent precipitation into any solid waste.

c. Facilities used for the storage of municipal sewage sludge shall be constructed as follows:

(1) Storage facilities shall have a smooth, impervious, easily cleaned base.

(2) Storage facilities shall provide leachate monitoring and collection. The executive director may accept contingency plans in lieu of an installed collection system.

(3) Storage facilities shall prevent runoff entering the facility from adjacent areas.

(4) Storage facilities shall be designed and constructed to prevent odor, litter, leaching and vector problems. The acceptability of any such facility shall be based on the materials being stored, duration of storage and conditions to be experienced.

104.9(2) *Storage of salvaged materials.* Containers and facilities used for the storage of salvaged materials shall be designed and constructed to prevent odor, litter, leaching and vector problems. The acceptability of any such container shall be based on the materials being stored, duration of storage and conditions to be experienced.

567—104.10(455B) Operating requirements for all processing facilities. All sanitary disposal projects with processing facilities shall be operated in conformance with 567—Chapter 102 and this rule. The plan submitted shall detail how the facility will comply with these requirements.

104.10(1) All equipment shall be cleaned daily unless the department approves less frequent cleaning on a specific schedule stipulating component part, cleaning method, and schedule.

104.10(2) Sewage sludge shall not be handled in such a manner as to present a health hazard or potential source of pollution.

104.10(3) All solid waste processed or rejected by the facility shall be disposed in conformance with these rules.

104.10(4) Emergency access shall be provided to the material in solid waste storage facilities.

104.10(5) Storage time.

a. Solid waste. Solid waste, except for composted materials, but including refuse-derived fuels shall not be stored on the site for more than 72 hours.

b. Rescinded IAB 10/17/90, effective 11/21/90.

104.10(6) Solid waste shall be unloaded at the operating areas only when an operator is on duty at that area. Solid waste may be deposited in storage containers inside the site under the supervision of an attendant or operator.

104.10(7) The operating area for solid waste shall be as small as practicable and shall be surrounded with appropriate barriers to prevent litter from blowing beyond the operating area.

104.10(8) The site shall be fenced to control access and a gate shall be provided at the entrance to the site and kept locked when an attendant or operator is not on duty.

104.10(9) A copy of the permit, engineering plans and reports shall be kept at the site at all times.

104.10(10) Sites not open to the public shall have a permanent sign posted at the site entrance specifying:

- a.* Name of operation.
- b.* The site permit number.
- c.* That the site is not open to the public.
- d.* The name and telephone number of the responsible official.

567—104.11(455B) Closure requirements. All sanitary disposal projects with processing facilities shall close in conformance with their approved closure plan, this rule, and the requirements of 567—Chapter 102.

104.11(1) All equipment, storage facilities, holding areas, and drainage collection systems shall be cleaned and decontaminated.

104.11(2) All processed waste, stored waste and waste from cleaning and decontaminating the facility shall be removed and disposed of in a permitted disposal facility.

104.11(3) Disposal projects with processing facilities may be required to obtain a closure permit, described in 567—subrule 102.2(4), dependent upon the potential of the closed facility for environmental impact.

These rules are intended to implement Iowa Code section 455B.304.

[Filed 9/1/71, amended 2/13/74, 6/2/75]

[Filed 2/25/77, Notice 9/22/76—published 3/23/77, effective 4/27/77]

[Filed 5/25/78, Notice 2/22/78—published 6/14/78, effective 7/19/78]

[Filed emergency 6/3/83—published 6/22/83, effective 7/1/83]

[Filed 8/24/84, Notice 5/9/84—published 9/12/84, effective 10/18/84]*

[Filed emergency 11/14/86—published 12/3/86, effective 12/3/86]

[Filed 8/31/89, Notice 5/17/89—published 9/20/89, effective 10/25/89]

[Filed 9/28/90, Notice 5/16/90—published 10/17/90, effective 11/21/90]

*Subrules 104.10(10) and 104.10(11) rescinded, subrules 104.10(12) to 104.10(14) renumbered as 104.10(10) to 104.10(12), IAB 9/12/84.